Application/Control No. Applicant(s)/Patent Under Reexamination 09/077,835 CHANCE, BRITTON Notic of R ferences Cited Examiner Art Unit Page 1 of 1 3737 Shawna J. Shaw **U.S. PATENT DOCUMENTS Document Number** Date Classification Name Country Code-Number-Kind Code MM-YYYY 600/476 12-2002 Lonky US-6,496,718 B1 Α US-В US-С US-D US-Ε US-F G US-US-US-1 US-US-Κ

FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

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SUBSTITUTE FORM PTO-1449 (MODIFIED)

U.S. ARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 04799/045001

SERIAL NO. 09/077,835

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) APPLICANT Britton Chance

FILING DATE
June 4, 1998

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL			P	ATE	NT	NUM	BER		I SSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	3	0	6	8	7	4	2	12/18/62	Hicks, Jr. et al.	88	14	06/15/59	
	AB	3	2	2	9	6	8	5	01/18/66	Ringkamp et al.	128	2.05	08/30/65	
i	AC	3	4	1	2	7	2	9	11/26/68	Smith, Jr.	128	2.05	08/30/65	
	AD	3	6 3 8 6 4 0		08/19/69	Polanyi	128	2	10/23/65					
	AE	3			02/01/72	02/01/72 Shaw		2R	11/01/67					
	AF	3			12/21/76	Konishi et al.	356	39	10/10/75					
	AG 4 0 8 6 9 1 5		05/02/78	Kofsky et al.	128	2L	05/25/76							
	АН	4	1	3	8	7	2	7	02/06/79	Mantz	364	525	10/31/77	
	IA	4	1	6	2	4	0	5	07/24/79	Chance et al.	250	461	05/23/78	
	AJ	4	1	6	7	3	3	1	09/11/79	Nielsen	356 39		12/20/76	
	AK	4	2	2	3	6	8	0	09/23/80	Jöbsis	128	633	03/05/79	
i	AL	4	2	8	1	6	4	5	08/04/81	Jöbsis	128	633	06/26/77	
	AM	4	3 2 1 9 3 0		03/30/82	Jöbsis et al.	128	633	09/18/80					
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR	CLASS	SUBCLASS	TRANSLATION		
	DOCUMENT NUMBER	DATE	PATENT OFFICE			YES	NO	
AO	WO 92/20273	11/26/92	РСТ					
AP	WO 96/20638	07/11/96	PCT					

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AN	Chance et al., "Photon Migration in Muscle and Brain," Photon Migration in Tissues, Plenum Press,
AN	pp. 121-135, 1989, Chance, B., ed.
AO	Cui et al., "Experimental Study of Migration Depth for the Photons Measured at Sample Surface," SPIE,
AU	1431:180-191, 1991.
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 04799/045001

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FILING DATE June 4, 1998

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(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	<u> </u>		PATENT NUMBER						I SSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	ВА	3	7	0	9	6	1	2	01/09/73	Clemens	356	178	03/10/71
	ВВ	3	8	6	6	5	9	9	02/13/75	Johnson	128	2 L	01/21/72
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	BF	3F 4 5 1 0 9 3 8				3	8	04/16/85	Jöbsis et al.	128	633	01/24/83	
	BG	G 4 6 1 2 9 3 8				3	8	09/23/86	Dietrich et al.	128	665	09/06/83	
	ВН	H 4 8 0 0 8 8 5				8	5	1/31/89	Johnson	128	633	12/02/87	
	BI	31 4 8 0 5 6 2 3				2	3	02/21/89	Jöbsis	128	633	09/04/87	
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	BK	4	8	4	6	1	8	3	4/11/89	Martin	128	633	12/02/87
	BL	4	9	0	8	7	6	2	3/13/90	Suzuki et al.	364	413.09	05/02/88
	ВМ	4	9	7	2	3	3	1	11/20/90	Chance	364	550	02/06/89
	BN	5	0	9	0	4	1	5	02/25/92	Yamashita et al.	128	665	01/11/91
	ВО	5	1	0	6	3	8	7	4/21/92	Kittrell et al.	606	15	09/21/89
	ВР	5	1	1	9	8	1	5	6/9/92	Chance	128	633	12/21/88
	BQ	5	1	8	7	6	7	2	2/16/93	Chance et al.	364	550	01/22/91
	BR	5	1	9	0	0	3	9	03/02/93	Takeuchi et al.	128	633	12/05/90
	BS	5 3 0 0 0 9 7		7	04/05/94	Lerner et al.	607	93	09/18/92				
	ВТ	5	3	5	8	5	0	3	10/25/94	Bertwell et al.	606	27	01/25/94
	BU	5	5	5	1	4	2	2	09/30/96	Simonsen et al.	128	633	07/06/94

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	Greenfeld, "A Tissue Model For Investigating Photon Migration in Trans-Cranial Infrared Imaging,"
ВО	Photon Migration in Tissues, Plenum Press, B. Chance, ed., pp. 147-168, 1989.
	Sevick et al., "Analysis of absorption, scattering, and hemoglobin saturation using phase modulation
BP	spectroscopy," SPIE, 1431:264-275, 1991.
 	Sevick et al., "Photon migration in a model of the head measured using time -and frequency- domain
BQ	techniques: potentials of spectroscopy and imaging," SPIE, 1431:84-96, 1991.
	Weng et al., "Measurement of Biological Tissue Metabolism Using Phase Modulation Spectroscopy Technology,"
BR	SPIE,1431:161-171, 1991.
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